

## **PROGRESSIVE FOUNDRY (FORMER WASTE DISPOSAL SITE)**

**(Perry, Iowa)**

### **GENERAL DESCRIPTION**

The 3.7-acre site is located in the SE 1/4 of the SW 1/4 of Section 5, T81N, R28W, Dallas County, Iowa adjacent to the east side of the North Raccoon River. The owner of record is Harold Devilbliss. The site was entered on the Registry in February 1991. Progressive Foundry ceased disposal at the site after the IDNR discovered the site during a routine air inspection of the manufacturing facility in September 1982. Wastes were then shipped to the Black Hawk County Landfill from 1983 to 1985. Since 1986 waste is shipped to Peoria Disposal County Landfill in Illinois. **This site is now being used as an auto salvage yard.**

### **SITE CLASSIFICATION**

**In 2002, this site was re-classified to "d" Site Properly Closed, requires continued management.**

### **TYPE AND QUANTITY OF HAZARDOUS WASTE**

The site was used for the disposal of foundry wastes from 1974 until 1982. The open dumping is estimated to have included 8,636 tons of sand, clay, and sea coal, and 443 tons of scrubber sludge. The scrubber sludge was been identified as a hazardous waste because of high lead levels. On-site soils are contaminated with lead and mercury. Semi-volatile organic compounds (SVOC's) specifically, butyl benzyl phthalate and the poly-aromatic hydrocarbons (PAH's), benzo(a)anthracene, chrysene, benzo(b)fluoranthene, and pyrene) were detected in on-site soil and soil/waste piles. Fifty-five gallon drums of hardened cupola wastes containing heavy metals, cyanides, and phenols are also buried on-site.

### **SUMMARY OF PUBLIC HEALTH AND ENVIRONMENTAL CONCERNS**

- **The primary health concern is the potential exposure to heavy metal, and PAH's in soil.**
- **The primary environmental concern is for the water quality of the North Raccoon River.**

The site is in the floodplain of, and immediately adjacent to, the North Raccoon River. Two intermittent creeks flow into a pond on the site and subsequently discharge into the North Raccoon River. Flooding could result in contaminant movement into the North Raccoon River as well as dispersal. The city of Perry draws a portion of its drinking water from alluvial aquifer wells located 1.5 to 2.5 miles southeast and down gradient of the site.

### **SUMMARY OF ASSESSMENT, MONITORING OR REMEDIAL ACTIONS**

In June 1984 the IDNR referred the Progressive Foundry facility to the EPA for violations of the Resource Conservation and Recovery Act (RCRA). Since then, the production, storage, and disposal of wastes at the manufacturing facility have been regulated under the RCRA program.

The EPA, under the Superfund program, conducted a site investigation of the disposal area in May 1985. Soil samples showed elevated levels of lead and mercury. No significant heavy metal contamination was found in nearby residential or city water supply wells. Upon completion of the site investigation in 1986, the Superfund program referred the site to the RCRA program, however, RCRA is regulating the manufacturing site and that determined the disposal site does not fall under its jurisdiction.

The EPA has referred the site back to state authority for further action. The IDNR conducts periodic inspection of the site. The last inspection was conducted in 2003.